



**Build innovative  
industrial solutions**



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# INSTRUMENTS DIVISION

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## TANK GAUGING SYSTEMS

### Servo Tank Gauging

The Proservo level gauge utilizes high-accuracy servo technology to provide primary level measurement, and its data-handling capabilities allow the measurement and transmission of spot or average temperature, pressure, interface level, density, and alarms. In addition, it converts the data for transmission to the control room via standard field protocols.



### Tank Side Monitor

A tank-side display that provides intrinsically safe power at the tank side for the radar and other sensors, enhancing plant safety. It integrates data from Micropilot radar and other tank sensors and performs tank calculations. Data is transferred to the control room via most industry-standard communication protocols



### Prothermo – Temperature & Water Bottom

Prothermo is an intelligent multi-spot average temperature device with an optional water-bottom interface probe. For average temperature measurement, Prothermo measures the average product and vapor space temperature with up to 16 Pt 100 elements & provides a HART-compatible output.



# INSTRUMENTS DIVISION

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## TANK GAUGING SYSTEMS

### Cerabar S – Pressure/Density Measurement

As one of the safest pressure transmitters on the market, Cerabar S absolute pressure transmitters offer unique technological innovations for high-end pressure measurement and relative density measurement in Hybrid Tank Measuring Systems (HTMS). They feature an intelligent operating and device concept and undergo strict DKD calibration.

### Tankvision – Inventory Monitoring System

Web-based inventory monitoring system is custody transfer approved & monitors level and inventory, sets alarms and prints reports. The system architecture allows you to operate your tank farm without installing any inventory software. It brings together all measurement data into one self-explanatory, efficient & easy-to-read system. Measured and calculated variables, including tank strapping tables, such as level, temperature, mass, water level, vapor pressure, density, and net standard volume (NSV), are displayed on an unlimited number of local or worldwide operator workstations.



# INSTRUMENTS DIVISION

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## METERING SYSTEMS

### Flow Computers

As a leader in the field of custody transfer metering systems, various types of flow computers are used in our projects to meet customers' demands within their packages. Our proposed flow computers meet all gas and liquid metering requirements, whether used in the control room or on industrial sites, strictly implementing international industrial standards.



### Control Valves & MOVs

Various types of control and on-off valves (pneumatically and electrically operated) are used in metering skids based on process requirements. These include ball, gate, globe, and butterfly valves, which are selected according to project-approved standards in terms of size, material, operating conditions, leakage, and safety considerations.



### Piping & instrument Accessoriest

Gauge & Controls Group handles the supply of mechanical requirements for the project, including piping, flanges, fittings, supports, as well as all necessary bulk materials for instrumentation installation. Design & Procurement of Safety instruments for Metering Skid is also in our scope of work.



# INSTRUMENTS DIVISION

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## METERING SYSTEMS

### Prover Systems

Gauge & Controls Group offers complete stationary proving systems for our metering packages, employing unidirectional, bidirectional & compact prover technologies. Our prover systems incorporate industry-leading components to ensure the highest measurement accuracy, providing our customers with improved operational efficiency, reduced operating costs, and precise custody transfer measurement.

### Integrated Operation & Management Solution

We offer a dynamic and comprehensive automation, supervision, and management system for our proposed metering packages. We develop and supply a modular and upgradeable supervision system, customized to your operation and management requirements. Our engineers can configure any type of flow computer to meet international standards. We build exclusive control panels for fiscal metering systems and can integrate them with any new or existing SCADA/DCS system in the plant.

# INSTRUMENTS DIVISION

## DCS Division

### Automation & Control System Solutions

Since 2004, the Automation & Control Systems Division of Gauge & Controls Group has provided customers with qualified project management for control system solutions, covering everything from design and development through FAT, SAT, and start-up, followed by training, documentation & after-sales support.

The Automation & Control Systems Division of Gauge & Controls is a team of highly experienced engineers capable of performing a wide range of services, including:

- Performing FEED and feasibility studies
- Design, installation, and commissioning of PLC, DCS, and SCADA systems
- Writing detailed design specifications for new & replacement DCS systems
- Project management
- PLC, DCS, SCADA system recommendations
- Consultancy and support



Our experience is the guarantee of a successful project, maximizing efficiency and reliability.

### Our scope of work in the Process & Safety sections includes:

DCS - PLC - SCADA - RTU - ESD - F&G - HIPPS



PLC



DCS



SCADA

# INSTRUMENTS DIVISION

## HOOKUP

### Hydraulic Pipe & Fittings



### Hydraulic Pipe & Fittings



### Instrumentation Pipe and Fitting

SS316, Carbon Steel,  
Brass  
Up to 10,000 PSI W.P.  
Variety of threads:  
BSP, NPT, UNF



### Tubing

Stainless Steel,  
Duplex & Super  
Duplex, Nickel  
Alloys and 904L



### Tube Fittings

(Stainless Steel, Carbon Steel, Brass, PTFE)



### Instrument Check Valves (Poppet, Lift, Adjustable) and Relief Valves



# MECHANICAL DIVISION

## INDUSTRIAL VALVES

Gauge & Controls is a reputed manufacturer and supplier of automated and manually operated quarter-turn valves.

Over the years, Gauge & Controls has secured several orders from major oil and engineering companies, becoming one of the leaders in the valve industry.

Gauge & Controls is not only known for manually operated valves but also offers control valves, ball valves, safety valves, globe valves, eccentric plug valves, shut-off valves, high-performance butterfly control valves, and high-integrity pressure protection systems (HIPPS) from leading manufacturers.

### Type

**Ball Valves** (size: ½" –60", Pressure Rating 150#–2500#)

- Top Entry Ball Valve
- Rising Stem
- Floating Ball Valve
- Three-way
- Side Entry Ball Valve
- Fully Welded, Split Body

**Gate Valve** (size: 2"–80", Pressure Rating 150#–2500#)

- Wedge Type
- Bellows Gate Valve
- Through Conduit
- Cast Steel Gate Valve
- Rising Stem Gate Valve
- Knife Gate Valve  
(Wafer, Pneumatic, Bevel Gear, Slurry, bonneted)



Pressure Rating	ANSI 150 to 4500, API 2,000 to 20,000 psi
Temperature	-100°C to +190°C
Water Depth	Up to 3000 m
Bore Size	1/2" to 42"
Material Options	Carbon and low-alloy steels, stainless steels, low-temperature carbon steel, duplex, super duplex, Inconel
Actuation	Hydraulic, Pneumatic (Double Acting and Spring Return), Electric, Manual, and ROV

# MECHANICAL DIVISION

## INDUSTRIAL VALVES

### Check Valve

- Swing, Y-Type Piston, Dual Plate, Wafer Lift, Axial
- Diaphragm Check Valve
- Swing Check Valve or Tilting Check Valve



### Butterfly Valve (Size: 3"–140", Pressure Rating: 150#–2500#)

- Center Line Type, Eccentric Structure
- Pressure Sealed
- Hot-Air Adjustable



### Globe Valve (Size: 2"–60", Pressure Rating: 150#–2500#)

- Angle Type, Bellows Seal
- Jacketed
- Forged Steel
- Rising Stem
- Y-Type



### Control Valves: On-Off Valves, ESD Valves (Size: ½"–60", Pressure Rating: 150#–2500#)

- Pneumatic Control Valve
- Electric Control Valve
- Hydraulic Control Valve



# MECHANICAL DIVISION

## INDUSTRIAL VALVES

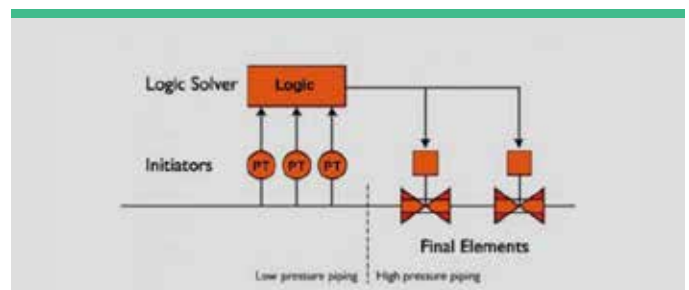
### Special Valves

- Needle Valves: 1/8" to 1-1/2", Rating: 6000 psi to 12000 psi
- Mono Flange Valve: 1/2" to 3", Rating: ANSI 150# to 2500#
- Double Block & Bleed Valve: 1/2" to 36", Rating: ANSI 150# to 2500#
- HIPPS Valves (High Integrity Pressure Protection System)
  1. Sizes: 2"-60"
  2. Ratings: ASME 150-2500 or API 3000-10,000
  3. Higher Pressure Ratings Upon Request
  4. DIN 3381 / EN 14382 Certified
  5. Full Closure in 2 Seconds

HIPPS is applied to prevent over-pressurization of a plant or pipeline by shutting off the source of high pressure.

**HIPPS provides a solution to protect equipment in cases where:**

- High pressures and/or flow rates are processed
- The environment needs to be protected
- The economic viability of a development needs improvement



# PIPING DIVISION

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## PUMP & COMPRESSOR

Gauge & Controls Group provides customers with a wide range of pumps, such as positive displacement pumps, centrifugal pumps, and metering pumps, for the transfer of liquid and gas products from leading manufacturers.

- API 61 O. API 685
- Hot Oil Pump, Chemical Standard Mag Drive Pump
- Vertical Inline Pump, Hot Water Circulation Pump
- Positive Displacement Pump (Rotary, Screw, Reciprocating)
- Centrifugal Pump
- Diaphragm Metering Pump
- Plunger and Piston Metering Pump

## Compressors

Supplying high-performance, low-operating-cost compressors, air dryers, air filters, lubricants, and condensate management products plays a key role in meeting our customers' technical demands.

Moreover, a broad range of products from world-leading manufacturers falls within our scope of work.

Various types of compressors, such as reciprocating, rotary screw, and rotary centrifugal, for different applications can be supplied based on international standards such as API 618, API 614, and API 672...



# PIPING DIVISION

## TANK GAUGING SYSTEMS

### Tank Gauging Solutions by Gauge & Controls

Gauge & Controls offers a complete range of technologies, enabling you to choose the right tank gauging system for your specific application. Based on our rich experience and knowledge, you can consider your project in safe hands once it is entrusted to us. You may decide to maintain your current system or embark on a step-by-step migration to newer technologies. In collaboration with reputable international manufacturers, we offer products, spare parts, services, and expert advice to help you achieve the right solution for your needs.

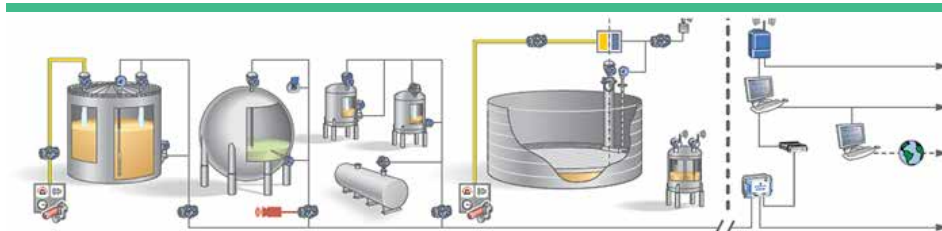
Our services in this section include complete basic and detailed design, instrument procurement, installation supervision, final system calibration, and certification by official vendor representatives, as well as after-sales service and support.

### Micropilot S Radar Tank Gauging

High-accuracy level gauge for continuous, non-contact measurement. Designed for inventory control and NMI- and PTB-approved for custody transfer. Intrinsically safe, eliminating any possibility of electrical danger on the tank roof. The local display, with graphical reflection signals, provides instant feedback and control of radar performance during commissioning. In stilling well applications, the planar antenna allows automatic diameter detection for easy commissioning and operation.



### Typical System Configuration



# ANALYZERS DIVISION

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## ANALYZING & SAMPLING SOLUTIONS

All highly accurate metering systems require high-quality measurement tools in the category of sampling and analyzer instruments to provide a comprehensive view of the process fluid characteristics. Integration of these measuring tools into the system is key to achieving maximum accuracy in the desired application, whether it is stand-alone or mounted within any specific system.



Gauge & Controls is your one-stop supplier for analysis instruments and sampling systems for the process industry from reputable manufacturers, offering a variety of categories, including:

- Density Measurement Systems
- Oil-in-Water Analyzers
- BS&W Analyzers
- Water Cut Meters
- Viscosity Meters
- Vapor Pressure Analyzers
- Chromatograph Systems



### Other Types of Analysis Equipment in the Water Wastewater Industry include:

- Monochloramine Measuring Systems
- Free Chlorine Measuring Systems
- Total Chlorine Analyzers
- pH, ORP, Conductivity, Turbidity, and Dissolved Oxygen Analyzers
- High-temperature TOC analyzers
- Continuous real-time wet-chemical TOC Analyzers
- Nutrients Measuring Systems
- Metals Colorimetric Analyzers
- Water Samplers



Our engineering team will oversee all project steps, from initial design & instrument selection to final integration and installation.

# MOTOR OILS & LUBRICANTS

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## PREMIUM LUBRICANT SOLUTIONS FOR AUTOMOTIVE AND INDUSTRY

Gauge & Controls is a trusted supplier of high-performance lubricants tailored for automotive, industrial, and heavy machinery applications. With a strong commitment to quality, reliability, and innovation, we deliver products that keep engines running smoothly and operations running efficiently.



### Our Product Range Includes

#### Motor Oils

Advanced synthetic and mineral engine oils for passenger vehicles, commercial fleets, motorcycles, & high-performance engines. Designed to enhance engine life, reduce friction, and improve fuel efficiency.



#### Hydraulic Oils

Durable and stable hydraulic fluids for construction, agricultural, and industrial equipment, ensuring smooth operation under extreme pressure and temperature.



# MOTOR OILS & LUBRICANTS

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## Gear Oils

High-load gear lubricants for manual transmissions, axles, and differentials, formulated to prevent wear, corrosion, and thermal breakdown.



## Crane & Heavy Equipment Lubes

Specialty lubricants for cranes, forklifts, and heavy-duty machinery, engineered to handle heavy loads, high torque, and challenging work environments.



## Greases & Specialty Lubes

Multi-purpose and application-specific greases for bearings, joints & mechanical assemblies exposed to dust, water, or high heat.



# MOTOR OILS & LUBRICANTS

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## Why Choose Us?

### Top-Quality Brands

We offer globally recognized lubricant brands known for performance and longevity.

### Expertise You Can Trust

Our team understands the technical requirements of every industry - from automotive to oil & gas - and can recommend the right solution every time

### Fast Delivery & Competitive Pricing

With a strong distribution network across the UAE and GCC, we ensure timely delivery at market-competitive rates.

### Eco-Conscious Options

Ask about our environmentally friendly and biodegradable lubricant solutions.

### Industries We Serve:

- Automotive Workshops & Dealerships
- Construction & infrastructure companies
- Marine & port operations
- Oil & Gas Sector
- Transportation & Logistics Fleets
- Manufacturing & Processing Plants

# THANK YOU!

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